CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-86
- After this Amendment: Claims 1-20

Non-Elected, Canceled, or Withdrawn claims: 21-86

Amended claims: None

New claims: none

Claims:

1. (Original) One or more processor-accessible media comprising processor-executable instructions that, when executed, direct a device to perform actions comprising:

accepting a connection;

aggregating a connection state for the connection from a protocol stack; and

sending the connection state.

2. (Original) The one or more processor-accessible media as recited in claim 1, wherein the action of accepting comprises an action of:

sending an acknowledgment packet in response to a connection-requesting packet.

3. (Original) The one or more processor-accessible media as recited in claim 1, comprising the processor-executable instructions that, when executed, direct the device to perform a further action comprising:

receiving data for the connection;

wherein the action of aggregating comprises an action of:

aggregating the connection state from a protocol state of the protocol stack and the data.

4. (Original) The one or more processor-accessible media as recited in claim 1, wherein the action of aggregating comprises an action of:

compiling a protocol state from the protocol stack.

5. (Original) The one or more processor-accessible media as recited in claim 4, wherein the action of compiling comprises an action of:

compiling the protocol state from the protocol stack starting at a highest level of the protocol stack.

6. (Original) The one or more processor-accessible media as recited in claim 4, wherein the action of compiling comprises an action of:

compiling the protocol state from the protocol stack at a transmission control protocol (TCP) stack portion and an internet protocol (IP) stack portion.

7. (Original) The one or more processor-accessible media as recited in claim 1, wherein the action of sending comprises actions of:

bundling the connection state with a flow identifier that corresponds to the connection to produce a binary blob; and

transmitting the binary blob from an originating device to a target device.

8. (Original) The one or more processor-accessible media as recited in claim 1, wherein the action of sending comprises actions of:

bundling the connection state with a flow identifier that corresponds to the connection to produce a binary blob; and

transmitting the binary blob from an originating device to a target device in a reliable manner such that the binary blob may be received intact at the target device even if one or more packets that comprise the binary blob are lost or corrupted.

9. (Original) The one or more processor-accessible media as recited in claim 1, comprising the processor-executable instructions that, when executed, direct the device to perform further actions comprising:

selecting a flow identifier for the connection responsive to a connection counter; and

sending the flow identifier to identify packets corresponding to the connection.

10. (Original) The one or more processor-accessible media as recited in claim 1, wherein the action of sending comprises an action of:

sending the connection state to a targeted device;

wherein the processor-executable instructions, when executed, direct the device to perform a further action comprising:

forwarding subsequent packets for the connection to the targeted device using a flow identifier to encapsulate the subsequent packets.

11. (Original) One or more processor-accessible media comprising processor-executable instructions that, when executed, direct a device to perform actions comprising:

receiving a connection state for a connection;

injecting the connection state for the connection into a network stack; and

continuing the connection using the injected connection state.

12. (Original) The one or more processor-accessible media as recited in claim 11, wherein the action of continuing comprises an action of:

continuing the connection by indicating received packets up to an application in accordance with the injected connection state.

13. (Original) The one or more processor-accessible media as recited in claim 11, wherein:

the action of receiving comprises an action of:

receiving the connection state, the connection state having a protocol state and data for the connection; and

the action of injecting comprises an action of:

injecting the protocol state into a protocol stack portion of the network stack.

14. (Original) The one or more processor-accessible media as recited in claim 13, wherein the action of injecting the connection state further comprises an action of:

indicating the data for the connection up the network stack toward an application.

15. (Original) The one or more processor-accessible media as recited in claim 11, wherein the action of injecting comprises an action of:

infusing a protocol state from the connection state into a protocol stack portion of the network stack.

16. (Original) The one or more processor-accessible media as recited in claim 15, wherein the action of infusing comprises an action of:

infusing the protocol state into the protocol stack starting at a highest level of the protocol stack.

17. (Original) The one or more processor-accessible media as recited in claim 15, wherein the action of infusing comprises an action of:

infusing the protocol state into the protocol stack at a transmission control protocol (TCP) stack portion and an internet protocol (IP) stack portion.

18. (Original) The one or more processor-accessible media as recited in claim 11, wherein the action of receiving comprises actions of:

receiving a binary blob from an originating device at a target device, the binary blob including the connection state and a flow identifier that corresponds to the connection; and

unbundling the connection state and the flow identifier at a level of the network stack that is below a protocol stack portion of the network stack.

19. (Original) The one or more processor-accessible media as recited in claim 11, comprising the processor-executable instructions that, when executed, direct the device to perform further actions comprising:

receiving an encapsulation mapping; and

storing the received encapsulation mapping in an encapsulation mapping table that may be accessed according to flow identifier.

20. (Original) The one or more processor-accessible media as recited in claim 11, wherein the action of receiving comprises an action of:

receiving the connection state from an originating device;

wherein the processor-executable instructions, when executed, direct the device to perform a further action comprising:

receiving from the originating device encapsulated packets that have a flow identifier; and

de-encapsulating the encapsulated packets using an encapsulation mapping entry that links the flow identifier to a source/destination pair.

21-86. (Canceled)